



April 9, 2002

Mr. Gerard J. Thibeault
Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Dear Mr. Thibeault:

This report is submitted in accordance with the approved August 15, 1997, Workplan and Schedule prepared under Cleanup and Abatement Order No. 97-58, as amended by Order No.01-56. It covers activity for January through March of 2002.

Lockheed Martin met with RWQCB staff on January 30, 2002, to provide an update on Lockheed Martin's plans for perchlorate treatment of the Redlands plume. Transmittals of the City of Redlands Texas Street Ion Exchange Test Plan and an Executive Summary of the Perchlorate Pilot Study performed at Gage New Well 6 were made on February 1, 2002.

Perchlorate Sampling

Monthly sampling for perchlorate in selected production wells has been ongoing. The results have been submitted previously to the Regional Water Quality Control Board (Production Well Sampling Program Reports, and the Water Supply Contingency Plan (WSCP) Report).

Modeling

Revisions to Lockheed Martin's Bunker Hill Basin ground water flow model, incorporating the most recent water quality data, are scheduled to be complete during the second quarter of 2002. This model is used in predicting future plume migration patterns.

Perchlorate Treatment Technology Update

Lockheed Martin tested the efficacy of several ion exchange resins for treatment of water from the Redlands Perchlorate Plume in a pilot study at Gage New Well 6 in 2000 and 2001. The treatment study was concluded and demobilized during December 2001. Treated water discharges prior to completion were reported monthly under Monitoring and Reporting Program No. 98-67-031, NPDES No. CAG98001.

City of Riverside

Construction of the North Orange Pipeline Project by the City of Riverside has begun. The new pipelines will support WSCP implementation.

Design of both interim and permanent perchlorate treatment systems has begun. The treatment systems will incorporate ion exchange technologies selected during the perchlorate pilot testing described above. Interim wellhead treatment is being proposed for a time period prior to the installation of permanent treatment systems at the Tippecanoe and Sunnyside Regional Water Treatment Systems.

City of Loma Linda

Lockheed Martin continued to work with the City of Loma Linda to finalize the well configurations for Mountain View-4 and -5 and Richardson-4, in order to comply with agreements regarding WSCP. Lockheed Martin and the City of Loma Linda are evaluating alternative plans to improve the blending capabilities of the City's water supply system. The selected blending plan will be submitted to the California Department of Health Services for approval.

Victoria Farms

Lockheed Martin Corporation has submitted a legal agreement to Victoria Farms for permanent water supply connection to San Bernardino.

City of Redlands

A proposal for a test using ion exchange technology for perchlorate treatment at the City of Redlands Texas Street treatment plant has been approved by the City and forwarded for approval by the California Department of Health Services (DHS). This proposal is currently being reviewed by the DHS.

Loma Linda University No activity to report during this period.

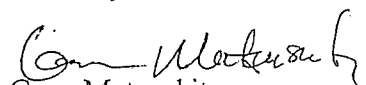
Perchlorate Study Group

The PSG has maintained a dialogue with the Office of Environmental Health Hazard Assessment (OEHHHA) and provided technical data and comments to support their establishment a new perchlorate standard. OEHHHA established a draft Public Health Goal (PHG) of 6 ppb in March 2002.

Staffing No activity to report this period.

The next quarterly update will be submitted on or about July 15, 2002. If you have any questions, please contact Bob Simpson at (909) 778-6046.

Sincerely,


Gene Matsushita
Technical Projects Manager

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Wesley Danskin, US Geological Survey
Dodie Farmer, Victoria Farms
Gary Snyder, COLL
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Doug Headrick, City of Redlands
Ross Lewis, Gage Canal Company
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Steve Mains, Western Municipal Water District
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